



(a) Original



(b) Desired obstructive visible watermark



(c) Traditional "blended" visible watermark



(d) Corner logo as visible watermark

FIG. 1

The diagram illustrates three 4x4 matrices representing color components:

- Y (Luminance):** A 4x4 matrix with elements labeled  $F_{0,0}$  through  $F_{0,3}$  in the first row, and  $F_{0,4}$  through  $F_{0,7}$  in the second row. The third and fourth rows contain  $F_{0,40}$ ,  $F_{0,41}$ ,  $F_{0,44}$ ,  $F_{0,45}$  in the third column, and  $F_{0,42}$ ,  $F_{0,43}$ ,  $F_{0,46}$ ,  $F_{0,47}$  in the fourth column.
- Cb (Chrominance):** A 4x4 matrix with elements labeled  $F_{1,0}$  through  $F_{1,3}$  in the first row, and  $F_{1,4}$  through  $F_{1,7}$  in the second row.
- Cr (Chrominance):** A 4x4 matrix with elements labeled  $F_{2,0}$  through  $F_{2,3}$  in the first row, and  $F_{2,4}$  through  $F_{2,7}$  in the second row.

FIG. 2

The diagram shows a 7x6 matrix  $D_{n,k}$  with entries represented by 'X' or '1'. The matrix is defined as follows:

X	X	1	0	0	1
X	X	X	0	1	0
X	X	X	1	1	0
X	X	X	0	1	0
X	X	X	X	X	1
X	1	1	1	0	0
0	0	0	1	1	1

FIG. 3

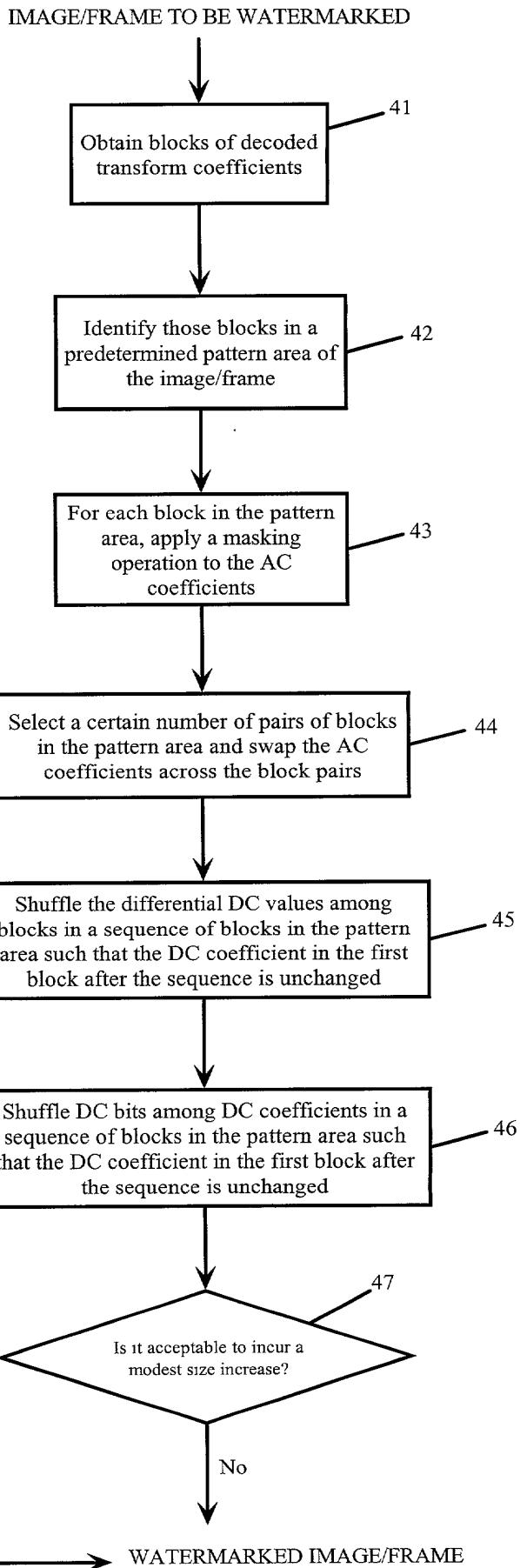


FIG. 4

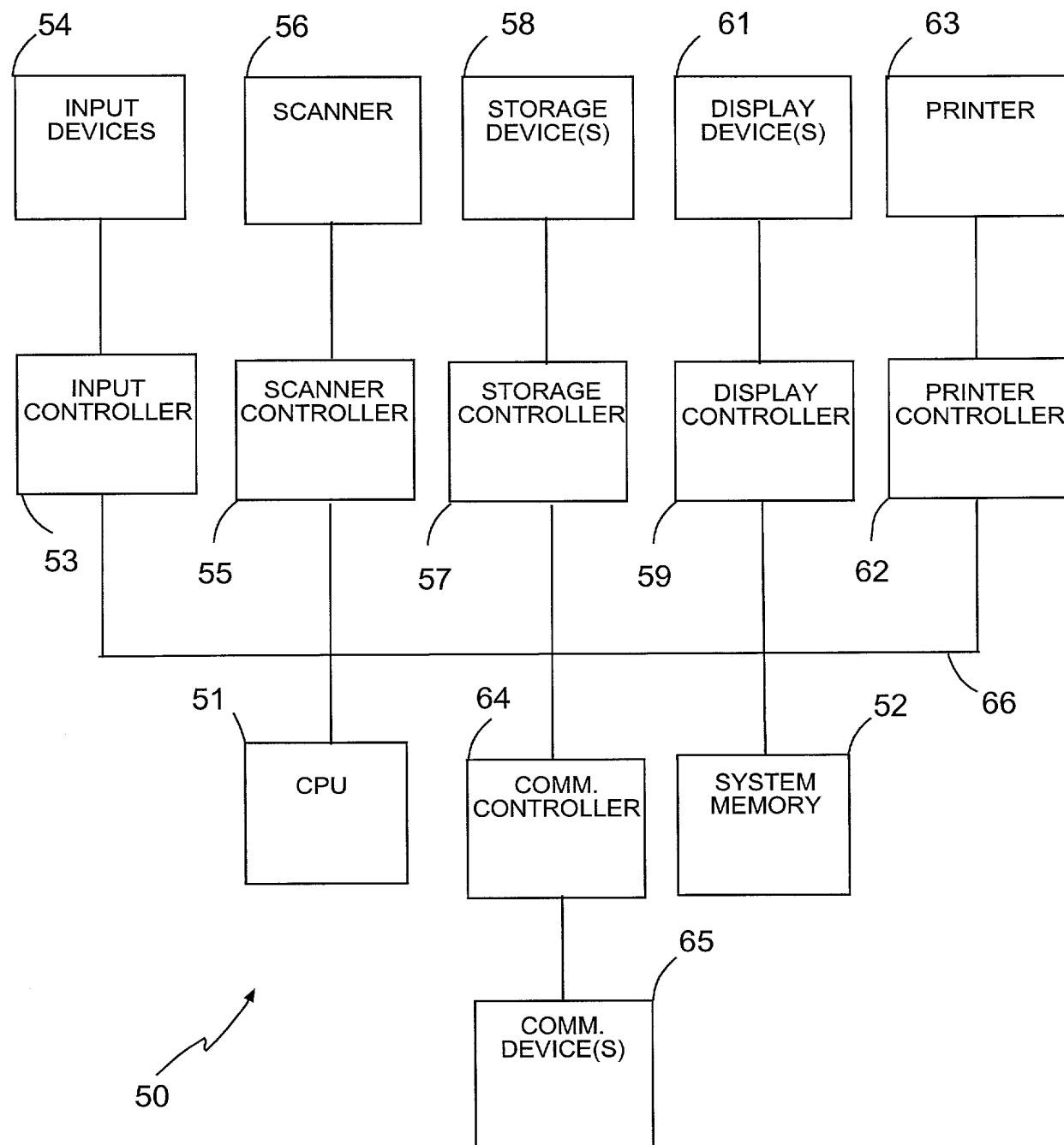


FIG. 5

*FIG. 6*

